



United States Department of the Interior
BUREAU OF LAND MANAGEMENT

Cedar City District Office
Henry Mountains Field Station
P.O. Box 99
Hanksville, UT 84734
<http://www.blm.gov/ut/st/en.html>

S/017/0031
cc: Wayne



IN REPLY REFER TO:
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JUL 29 2013
DIV. OF OIL, GAS & MINING

July 24, 2013

CERTIFIED MAIL – RETURN RECEIPT REQUESTED
Certified Mail No. 7009 3410 0001 1113 7033

Ms. Sandra D. Christensen
Paralegal
Bromide Mining
100 East 20 North
PO Box 121
Hanksville, Utah 84734-0121

Subject: Bromide Mine Waste Oil Cleanup

Dear Ms. Christensen:

The Bureau of Land Management (BLM), Henry Mountains Field Station is in receipt of and has reviewed your letter dated 7/2/2013, subject: Bromide Mine Contaminated Gravel. On 5/21/2013, BLM and Utah Division of Oil, Gas and Mining (UDOGM) conducted a joint inspection of your Bromide Basin Mine operation and witnessed a leaking barrel labeled "Waste Oil". As a result of observations made during this inspection Bromide Mining was directed to perform an environmental response including securing the waste barrel, excavating all affected soils and transporting generated soils to a disposal facility licensed to accept the waste stream. BLM witnessed excavation of approximately 10 cubic yards of affected soil and collection of three confirmation soil samples from the excavated area on 6/11/2013. Samples were transmitted to an analytical laboratory certified in the State of Utah to conduct requested analyses. Analysis was performed for total metals and diesel range petroleum hydrocarbons (TPH-DRO). Diesel range hydrocarbons were detected at concentrations above reporting limits in one soil sample, sample #3, at 27.6 mg/kg (ppm). Metals detected at or above laboratory reporting limits included:

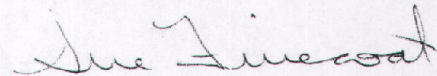
Arsenic

Barium
Chromium
Cobalt
Copper
Lead
Mercury
Molybdenum
Vanadium

Comparison of laboratory analytical results with EPA Region 8 Soil Screening Levels (SSL's) show detected concentrations of diesel (as naphtha) in confirmation soil samples to be below the recommended EPA Soil Screening Level (SSL) (May, 2013) for Residential Soil of 2,300 mg/kg (ppm) and below the Utah Department of Environmental Health Initial Screening Levels (ISL) (November 1, 2005) for diesel concentration in soil of 500 mg/kg. In addition, concentrations of metals detected in confirmation soil samples appear to be within background ranges expected in natural soils or surficial materials of the conterminous United States. Bromide Mining transported all affected soils to a properly licensed receiving facility and has provided a receipt verifying disposal. References used in making these determinations can be reviewed at: [http://www.hazardouswaste.utah.gov/HWF_Section/Docs/DCD/Group known/Background Concentrations.pdf](http://www.hazardouswaste.utah.gov/HWF_Section/Docs/DCD/Group_known/Background_Concentrations.pdf), and Shacklette, H.D., USGS Professional Paper 1270, 1984.

Based on analytical results, BLM considers this environmental response to be complete, the response site adequately remediated, affected soils properly disposed of, and no further action is required in regards to this matter. BLM wishes to thank Bromide Mining for its prompt and thorough response to this matter.

Sincerely,



Sue Fivecoat
Assistant Field Manager

cc: Wayne Western, UDOGM
File